

Converting Colors

$Yxy(66.6103, 0.2341, 0.3328)$

Have a look what the booklet for
Yxy(66.6103, 0.2341, 0.3328)
contains.

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Color

Yxy(66.5824, 0.2342, 0.3326)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 47EBE8 |
| RGB | 71, 235, 232 |
| RGB Percent | 28%, 92%, 91% |
| CMY | 0.7207, 0.0785, 0.0902 |
| CMYK | 0.70, 0.00, 0.01, 0.08 |
| HSL | 179°, 80%, 60% |
| HSV | 179°, 70%, 92% |
| XYZ | 46.8839, 66.5824, 86.7213 |
| YIQ | 185.6220, -96.7810, -35.7010 |

Conversions

Conversions Part 2

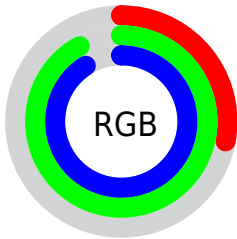
| Format | Color |
|-------------------------------------|--|
| RYB | 71, 154, 235 |
| Decimal | 4713448 |
| CIELab | 85.29, -41.54, -10.75 |
| CIELCh | 85, 42.912, 194.504 |
| Yxy | 66.5824, 0.2342, 0.3326 |
| Android (android.graphics.Color) | 4282903528 (0xFF47EBE8) |
| YUV | 185.6220, 22.8644, -100.5235 |
| Hunter-Lab | 81.5980, -40.2355, -5.8940 |

Details

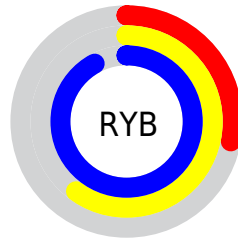
The Yxy color **66.5824, 0.2342, 0.3326** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.6939, 0.5445, 0.3271**, and the grayscale version is **48.8274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **35.3748, 0.2261, 0.3338** is the 20% darker color. If you saturate the color by 10%, you get **65.8341, 0.2299, 0.3332**, and if you desaturate by 10%, it is **67.6795, 0.2405, 0.3320**.

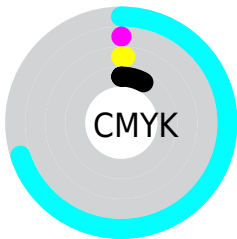
Distribution



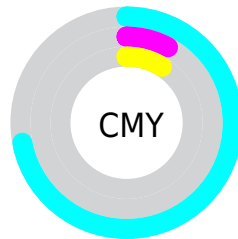
- Red (28%)
- Green (92%)
- Blue (91%)



- Red (28%)
- Yellow (60%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)




- Cyan (72%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5824, 0.2342, 0.3326 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 66.5824, 0.2342, 0.3326 by changing the saturation by 10% instead.


 66.5824, 0.2342,
0.3326


 66.5824, 0.2342,
0.3326


448.4569, 0.2702,
0.3319


 48.7453, 0.2261,
0.3325


 114.3218, 0.2466,
0.3326


 34.4175, 0.2163,
0.3322


 144.9930, 0.2514,
0.3325

 23.2145, 0.2039,
0.3317


 180.7109, 0.2556,
0.3324

 14.7520, 0.1881,
0.3306

 221.8601, 0.2593,
0.3323

 8.6455, 0.1672,
0.3284

268.8249, 0.2625,
0.3322

 4.5107, 0.1386,
0.3238

321.9897, 0.2653,

 1.9631, 0.0953,

0.3321

0.3144

381.7389, 0.2679,
0.3320

■ 0.5859, 0.0000,
0.2871

■ 0.0000, 0.0000,
0.0000

■ 66.5824, 0.2342,
0.3326

■ 66.5824, 0.2342,
0.3326

■ 65.8341, 0.2299,
0.3332

■ 67.6795, 0.2405,
0.3320

■ 65.3849, 0.2273,
0.3338

■ 69.1531, 0.2487,
0.3314


■ 65.1683, 0.2262,
0.3344

■ 71.0368, 0.2588,
0.3309

■ 65.1628, 0.2262,
0.3344


■ 73.3584, 0.2706,
0.3304

 76.1432, 0.2837,
0.3299

 79.4146, 0.2980,
0.3294

 83.1946, 0.3132,
0.3290

 86.6936, 0.3260,
0.3286

 86.7186, 0.3257,
0.3282

Harmonies

Analogous

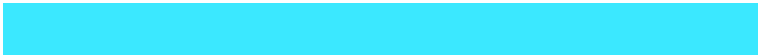
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.5824, 0.2719, 0.3856



66.5824, 0.2342, 0.3326



66.5824, 0.2172, 0.2842

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.5824, 0.2342, 0.3326



66.5824, 0.2955, 0.2546



66.5824, 0.4091, 0.3982

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



66.5824, 0.2342, 0.3326



22.6939, 0.5445, 0.3271

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.5824, 0.4186, 0.3594



66.5824, 0.2342, 0.3326



66.5824, 0.3498, 0.2805

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.5824, 0.2342, 0.3326



66.5824, 0.2501, 0.2446



66.5824, 0.3965, 0.3176



66.5824, 0.3731, 0.4230

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.5824, 0.2342, 0.3326



66.5824, 0.2185, 0.2617



66.5824, 0.3965, 0.3176



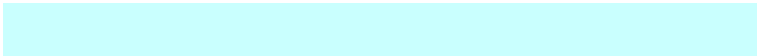
66.5824, 0.4156, 0.3862

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



66.5849, 0.2342, 0.3326



91.1571, 0.2818, 0.3299



61.4334, 0.3042, 0.5515



19.3049, 0.2781, 0.3301



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5849, 0.2342, 0.3326



78.9578, 0.2285, 0.3335



31.9943, 0.2063, 0.2205



17.1169, 0.2984, 0.3294



36.2721, 0.2262, 0.3343



2.8498, 0.2260, 0.3335

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.6939, 0.5445, 0.3271



23.0193, 0.6056, 0.3280



39.1891, 0.4772, 0.4071



15.0585, 0.3290, 0.3286



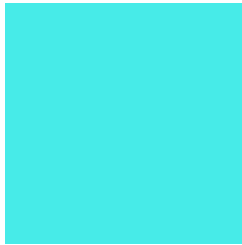
9.8371, 0.6381, 0.3289



0.7740, 0.6327, 0.3259

Previews

White Background



This preview shows how the Yxy color 66.5824, 0.2342, 0.3326 looks on a white background.

Color Contrast Check

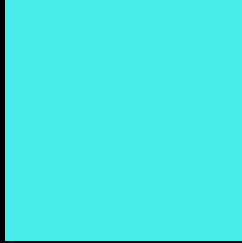
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 66.5824, 0.2342, 0.3326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

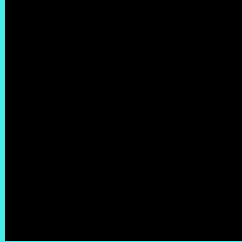
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5824, 0.2342, 0.3326

Background



This preview shows how black text looks on a background with the Yxy color 66.5824, 0.2342, 0.3326.

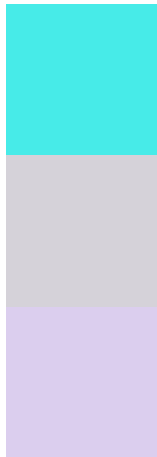


This preview shows how white text looks on a background with the Yxy color 66.5824, 0.2342, 0.3326.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

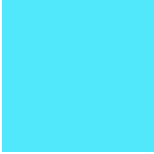
66.5824, 0.2342, 0.3326

Protanopia

65.2491, 0.3101, 0.3211

Deuteranopia

65.3757, 0.3004, 0.2944



Tritanopia

66.4721, 0.2285, 0.3053

Trichromacy



Original Color

66.5824, 0.2342, 0.3326



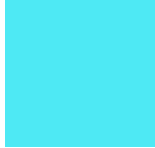
Protanomaly

63.5140, 0.2725, 0.3252



Deuteranomaly

63.6812, 0.2668, 0.3063



Tritanomaly

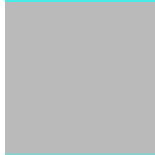
66.4292, 0.2305, 0.3150

Monochromacy



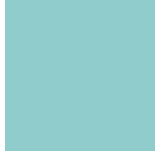
Original Color

66.5824, 0.2342, 0.3326



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.4268, 0.2712, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5824, 0.2342, 0.3326 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(71, 235, 232)` looks like.

```
.text, #text, p{  
    color:rgb(71, 235, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(71, 235, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 232) }
```

Border

The CSS property to change the border of an element to Yxy 66.5824, 0.2342, 0.3326 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 235, 232) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(71, 235, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(71, 235, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 232);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5824, 0.2342, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 235, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(71, 235,  
232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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